

INCH-POUND

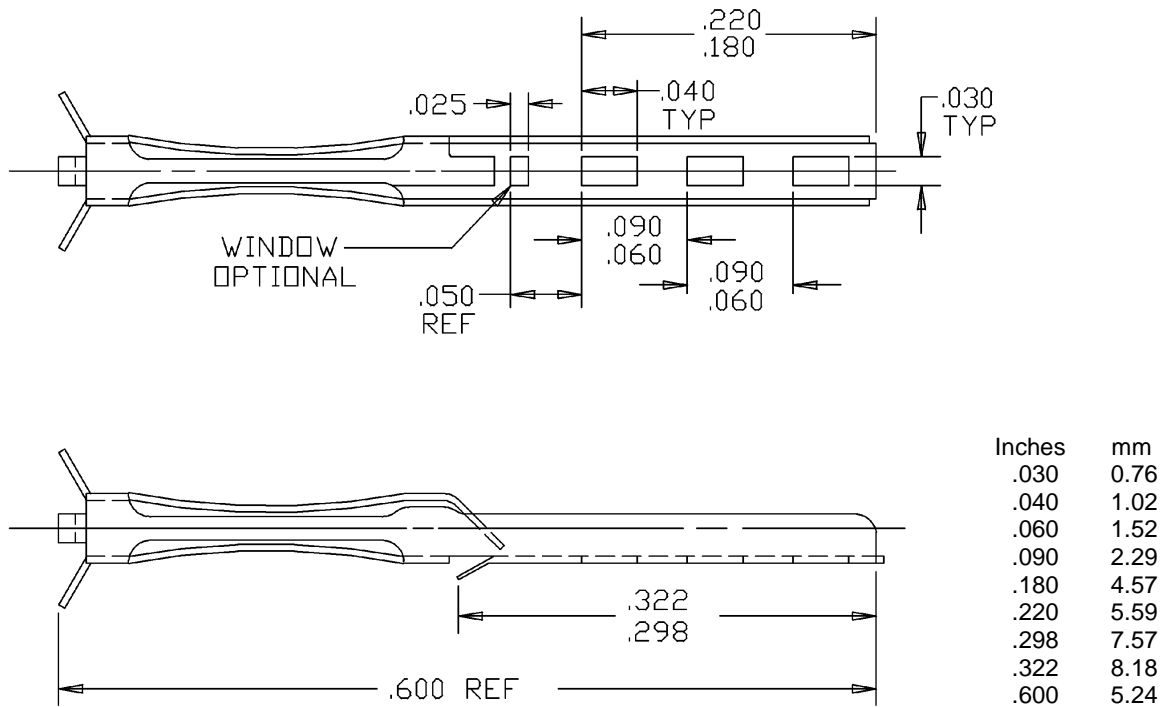
MIL-DTL-55302/32G  
24 March 2004  
SUPERSEDING  
MIL-C-55302/32F  
7 June 1993

# DETAIL SPECIFICATION SHEET

## CONNECTORS, PRINTED CIRCUIT SUBASSEMBLY AND ACCESSORIES: CONTACTS, SOLDER EYELET AND WRAPPOST REMOVABLE TYPES

This specification is approved for used by all Departments and Agencies of the Department of Defense.

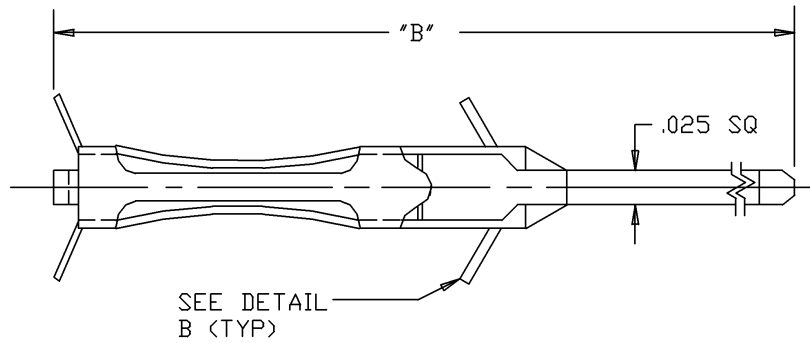
The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-55302.



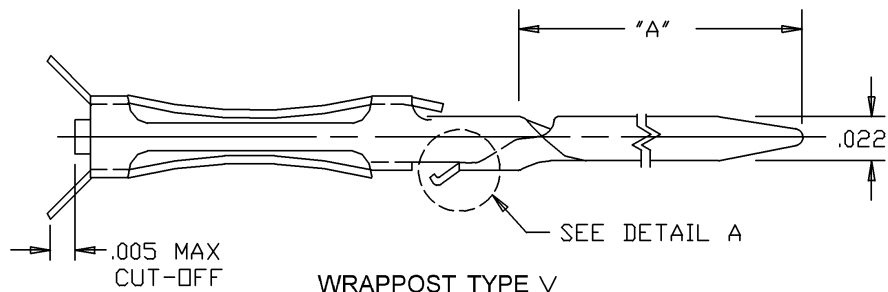
SOLDER EYELET-01

FIGURE 1. Contacts, removable type.

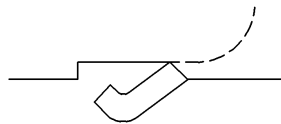
MIL-DTL-55302/32G



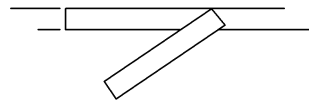
WRAPPOST TYPE VI



WRAPPOST TYPE V



DETAIL-A



DETAIL-B

Detail A Part or Identifying Numbers (PINs).

| Wrappost contacts, type V |      |       |
|---------------------------|------|-------|
| PIN                       | A    | B max |
| M55302/32-02              | .425 | .795  |
| M55302/32-03              | .585 | .955  |
| M55302/32-04              | .745 | 1.115 |

Detail B PINs.

| Wrappost contacts, type VI |      |       |
|----------------------------|------|-------|
| PIN                        | A    | B max |
| M55302/32-05               | .425 | .795  |
| M55302/32-06               | .585 | .955  |
| M55302/32-07               | .745 | 1.115 |

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are  $\pm 0.005$  (0.13 mm).
4. Maximum wire size: No. 26 AWG
5. Use contact extraction tool M81969/9-01 for type V contacts.
6. Use contact extraction tool 1-265871-7 (or equivalent) for type VI contacts.

FIGURE 1. Contacts, removable type - Continued.

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REQUIREMENTS:

Design and construction:

Dimensions and configuration: See figure 1.

Material: Contact material shall be in accordance with MIL-DTL-55302 or beryllium copper alloy C17410 in accordance with ASTM B768.

Plating (contact):

Engagement area: Gold over .100 inch (2.54 mm) length over nickel in accordance with MIL-DTL-55302.

Termination area: Tin lead for .220 inch (5.59 mm) length over nickel in accordance with MIL-DTL-55302.

Other areas: Nickel-plated in accordance with MIL-DTL-55302.

PINs M55302/32-02 through M55302/32-07: Entire part shall be plated with gold over nickel in accordance with MIL-DTL-55302.

Qualification and quality conformance: Qualification and quality conformance requirements are not applicable. All contacts are tested in accordance with the applicable specification sheet.

Supersession data: See table I.

TABLE I. Supersession data.

| Superseding PIN<br>M55302/32- | Superseded manufacturer's<br>(CAGE 00779)<br>PIN |
|-------------------------------|--|
| 01                            | 583218-3   |
| 02                            | 2-583812-6                                       |
| 03                            | 2-583812-8                                       |
| 04                            | 3-583812-0                                       |
| 05                            | 1-446629-4                                       |
| 06                            | 1-446629-6                                       |
| 07                            | 1-446629-8                                       |

Application: Contacts, solder eyelet, are to be used with connectors in accordance with MIL-DTL-55302/24, MIL-DTL-55302/25, and MIL-DTL-55302/27, (type II). Contacts, wrappost, are to be used with connectors in accordance with MIL-DTL-55302/27 (types V and VI) and MIL-DTL-55302/130 (type 2).

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Referenced documents. In addition to MIL-DTL-55302, this document references the following:

|                  |                   |
|------------------|-------------------|
| MIL-DTL-55302/24 | MIL-DTL-55302/130 |
| MIL-DTL-55302/25 | MIL-I-81969/9     |
| MIL-DTL-55302/27 | ASTM B768         |

MIL-DTL-55302/32G

CONCLUDING MATERIAL

Custodians:  
Air Force - 11  
DLA - CC

Preparing activity:  
DLA - CC

(Project 5935-4412-009)

Review activities:  
Air Force - 19, 99

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://www.dodssp.daps.mil>.